cinq fractions, ordre des opérations avec parenthèses

Nom: _____ Date: _____ Note: _____

$(\frac{1}{6} - (\frac{1}{2})^2) \times \frac{1}{3} - (\frac{3}{2} + \frac{1}{3})^2 =$

$(\frac{3}{4} - \frac{3}{5})^2 - \frac{1}{3}(\frac{3}{2} + (\frac{1}{3})^2) =$

$((\frac{1}{3})^2 + \frac{1}{2}) \times \frac{1}{2} - (\frac{1}{5} + \frac{3}{2})^2 =$

$(3 + \frac{1}{6})^2 - \frac{2}{5} \times 2^2 + \frac{3}{2} =$

$(\frac{1}{2} + (\frac{1}{4})^2) \times \frac{1}{2} + (\frac{1}{2} + \frac{2}{3})^2 =$

$(\frac{1}{3} + \frac{2}{3})^2 - \frac{2}{5}(\frac{3}{2} - \frac{1}{3}) =$

$(5 + \frac{1}{3})^2 - \frac{3}{4} + 2^2 - \frac{3}{2} =$

$(\frac{2}{5} - \frac{1}{2})^2 - \frac{3}{5}(\frac{1}{3} - \frac{1}{3}) =$

$(\frac{3}{2} + (\frac{2}{3})^2) \times \frac{1}{2} - (\frac{1}{5} - \frac{1}{5})^2 =$

$(4 - \frac{3}{4})^2 - \frac{1}{5} + \frac{1}{2} \times 3^2 =$

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$(\frac{1}{6} - (\frac{1}{2})^2) \times \frac{1}{3} - (\frac{3}{2} + \frac{1}{3})^2 = (-\frac{61}{18}) = (-3\frac{7}{18})$

$(\frac{3}{4} - \frac{3}{5})^2 - \frac{1}{3}(\frac{3}{2} + (\frac{1}{3})^2) = (-\frac{5557}{10800})$

$((\frac{1}{3})^2 + \frac{1}{2}) \times \frac{1}{2} - (\frac{1}{5} + \frac{3}{2})^2 = (-\frac{1163}{450}) = (-2\frac{263}{450})$

$(3 + \frac{1}{6})^2 - \frac{2}{5} \times 2^2 + \frac{3}{2} = \frac{1787}{180} = 9\frac{167}{180}$

$(\frac{1}{2} + (\frac{1}{4})^2) \times \frac{1}{2} + (\frac{1}{2} + \frac{2}{3})^2 = \frac{473}{288} = 1\frac{185}{288}$

$(\frac{1}{3} + \frac{2}{3})^2 - \frac{2}{5}(\frac{3}{2} - \frac{1}{3}) = \frac{8}{15}$

$(5 + \frac{1}{3})^2 - \frac{3}{4} + 2^2 - \frac{3}{2} = \frac{1087}{36} = 30\frac{7}{36}$

$(\frac{2}{5} - \frac{1}{2})^2 - \frac{3}{5}(\frac{1}{3} - \frac{1}{3}) = \frac{1}{100}$

$(\frac{3}{2} + (\frac{2}{3})^2) \times \frac{1}{2} - (\frac{1}{5} - \frac{1}{5})^2 = \frac{35}{36}$

$(4 - \frac{3}{4})^2 - \frac{1}{5} + \frac{1}{2} \times 3^2 = \frac{1189}{80} = 14\frac{69}{80}$